



US008114457B2

(12) **United States Patent**
Robinson et al.

(10) **Patent No.:** **US 8,114,457 B2**
(45) **Date of Patent:** ***Feb. 14, 2012**

(54) **METHODS OF MAKING BEVERAGES WITH ENHANCED FLAVORS AND AROMAS**

(75) Inventors: **Urano A. Robinson**, Seattle, WA (US);
J. Marcio Da Cruz, Seattle, WA (US)

(73) Assignee: **Starbucks Corporation**, Seattle, WA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

3,544,331 A	12/1970	Hair
3,565,635 A	2/1971	Mahlmann
3,652,292 A	3/1972	Bach et al.
3,652,293 A	3/1972	Lombana et al.
3,660,108 A	5/1972	Mednis
3,697,288 A	10/1972	McSwiggin
3,713,842 A	1/1973	Lubsen et al.
3,771,591 A	11/1973	Larsen
3,939,291 A	2/1976	Katz
3,944,677 A	3/1976	Katz
3,965,269 A	6/1976	Lee et al.
3,969,533 A	7/1976	Donnelly et al.
3,979,528 A	9/1976	Mahlmann
3,985,905 A	10/1976	Scelia et al.
3,991,223 A	11/1976	Baron et al.
4,001,454 A	1/1977	Jindra et al.

(Continued)

(21) Appl. No.: **12/973,782**

(22) Filed: **Dec. 20, 2010**

(65) **Prior Publication Data**

US 2011/0091609 A1 Apr. 21, 2011

Related U.S. Application Data

(63) Continuation of application No. 12/170,396, filed on Jul. 9, 2008, now Pat. No. 8,043,645.

(51) **Int. Cl.**
A23F 5/28 (2006.01)

(52) **U.S. Cl.** **426/595**; 426/541; 426/493; 426/425

(58) **Field of Classification Search** 426/595,
426/541, 493, 425

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,650,034 A	8/1953	Wiemer
2,955,768 A	3/1959	Engi
3,261,689 A	7/1966	Ponzi

FOREIGN PATENT DOCUMENTS

CA 989246 A1 5/1976

(Continued)

OTHER PUBLICATIONS

AGA AB, Reference Installation of Cryo grinding of spices, Internal Technical documentation, FOO-155-9111-1000-e and FOO-154-9111-2000-e, 4 pages, S-181 81 Lidingo, Sweden.

(Continued)

Primary Examiner — Anthony Weier

(74) *Attorney, Agent, or Firm* — Knobbe Martens Olson & Bear LLP

(57) **ABSTRACT**

The present embodiments generally relate to beverages with enhanced flavors and aromas and method of making same. Some embodiments of the present application are directed to soluble coffee and methods of making soluble coffee with improvements in such qualities as taste and aroma.

15 Claims, 3 Drawing Sheets

